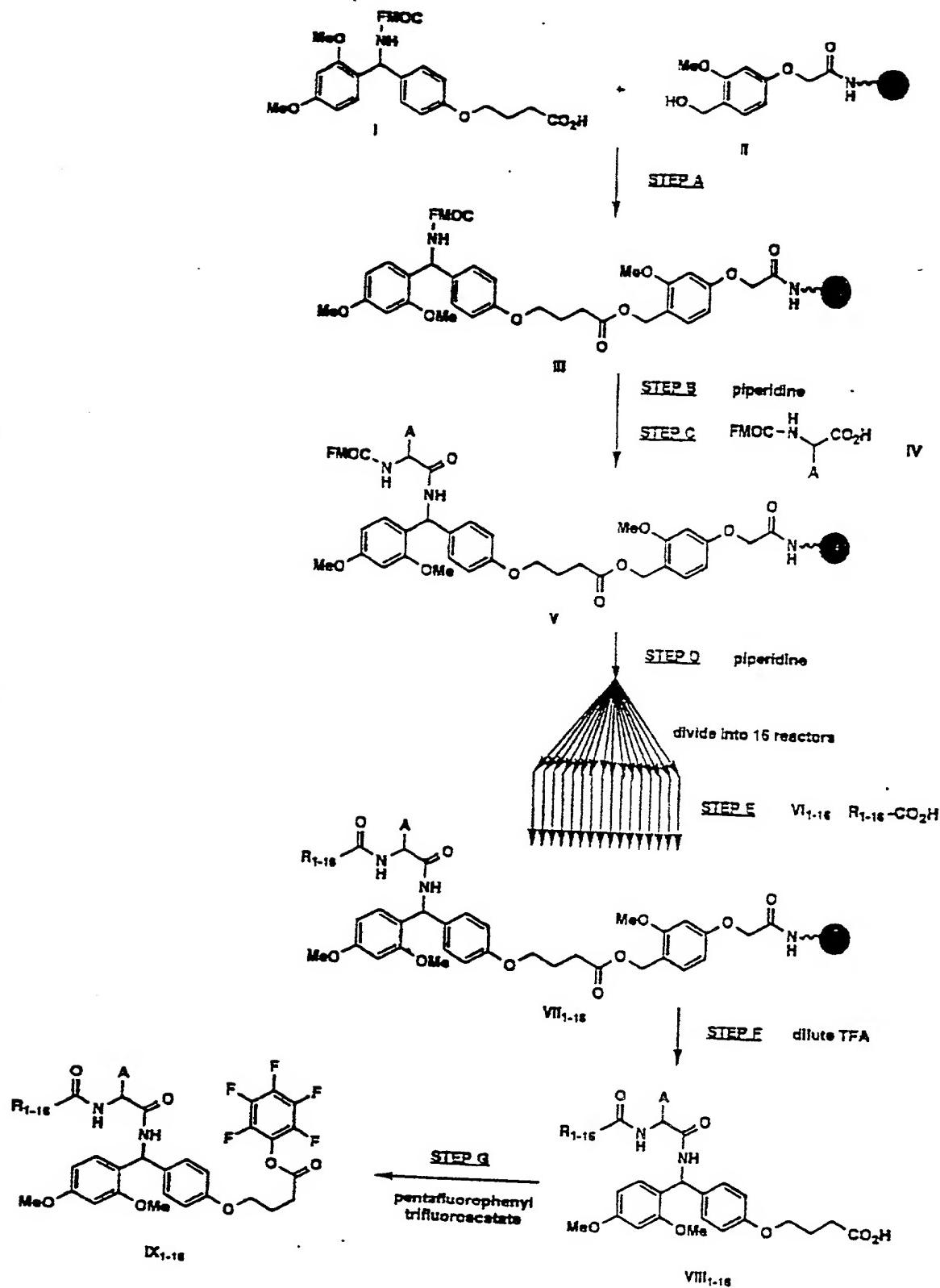
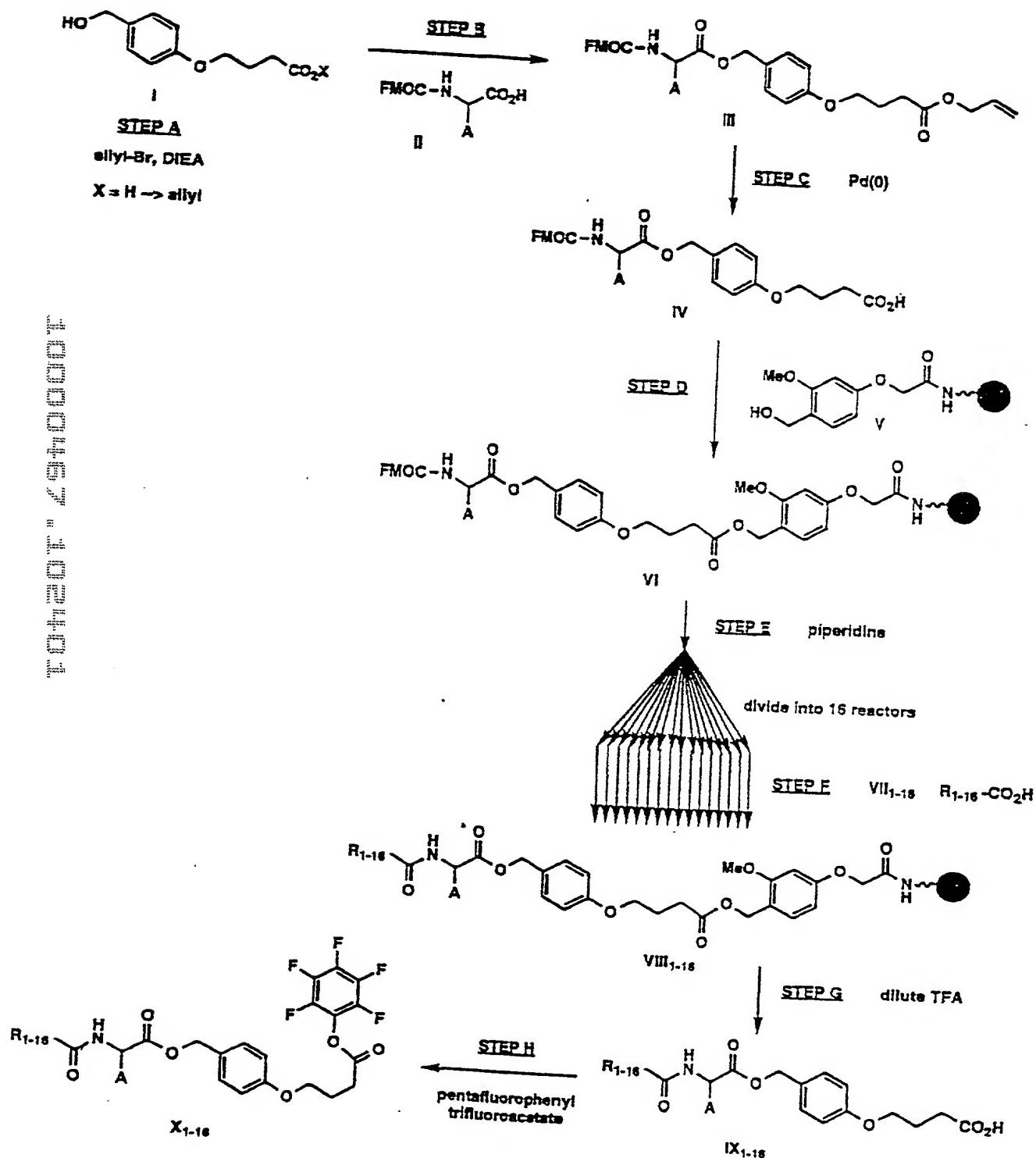


## **FIGURE 1**



## FIGURE 2



Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

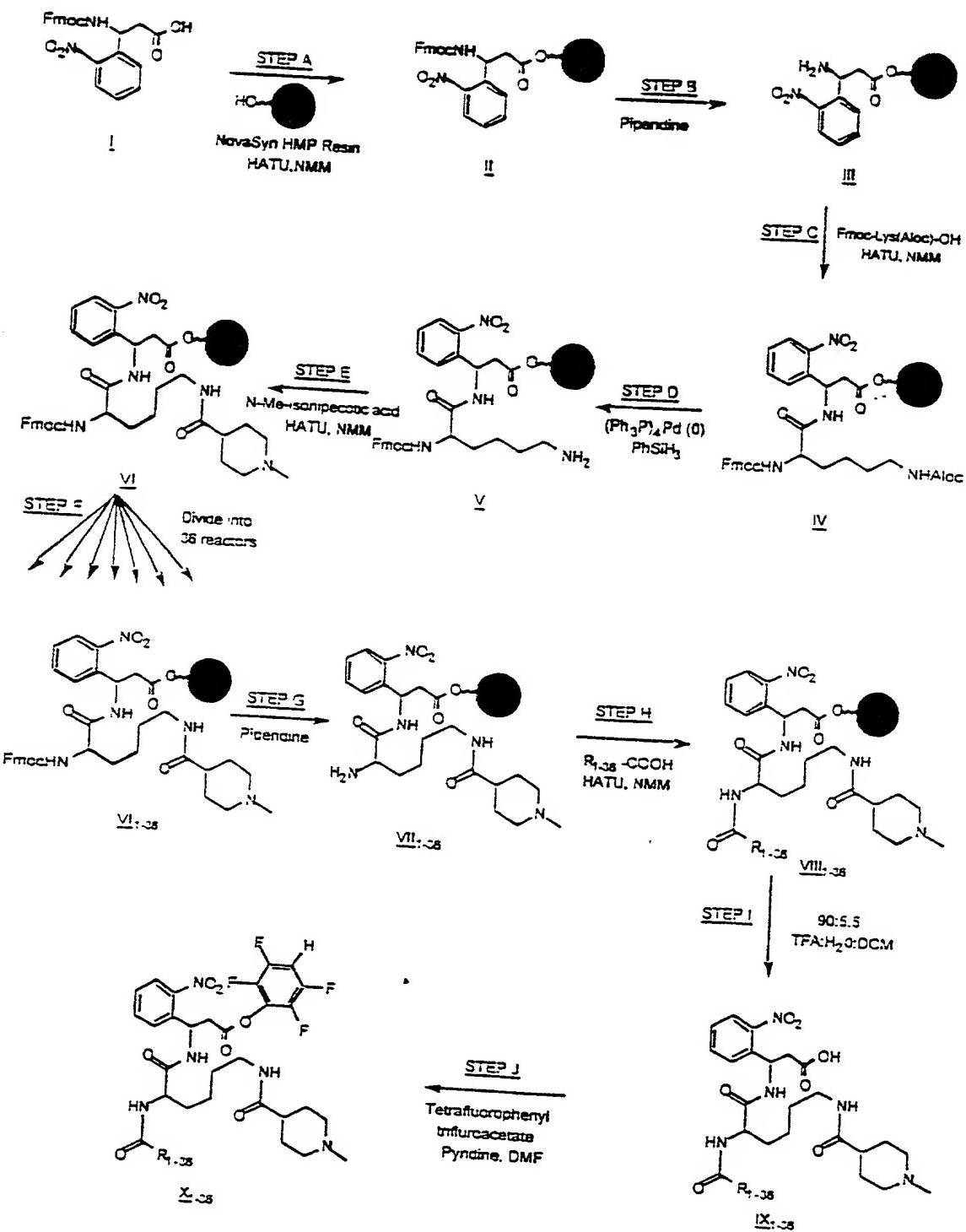
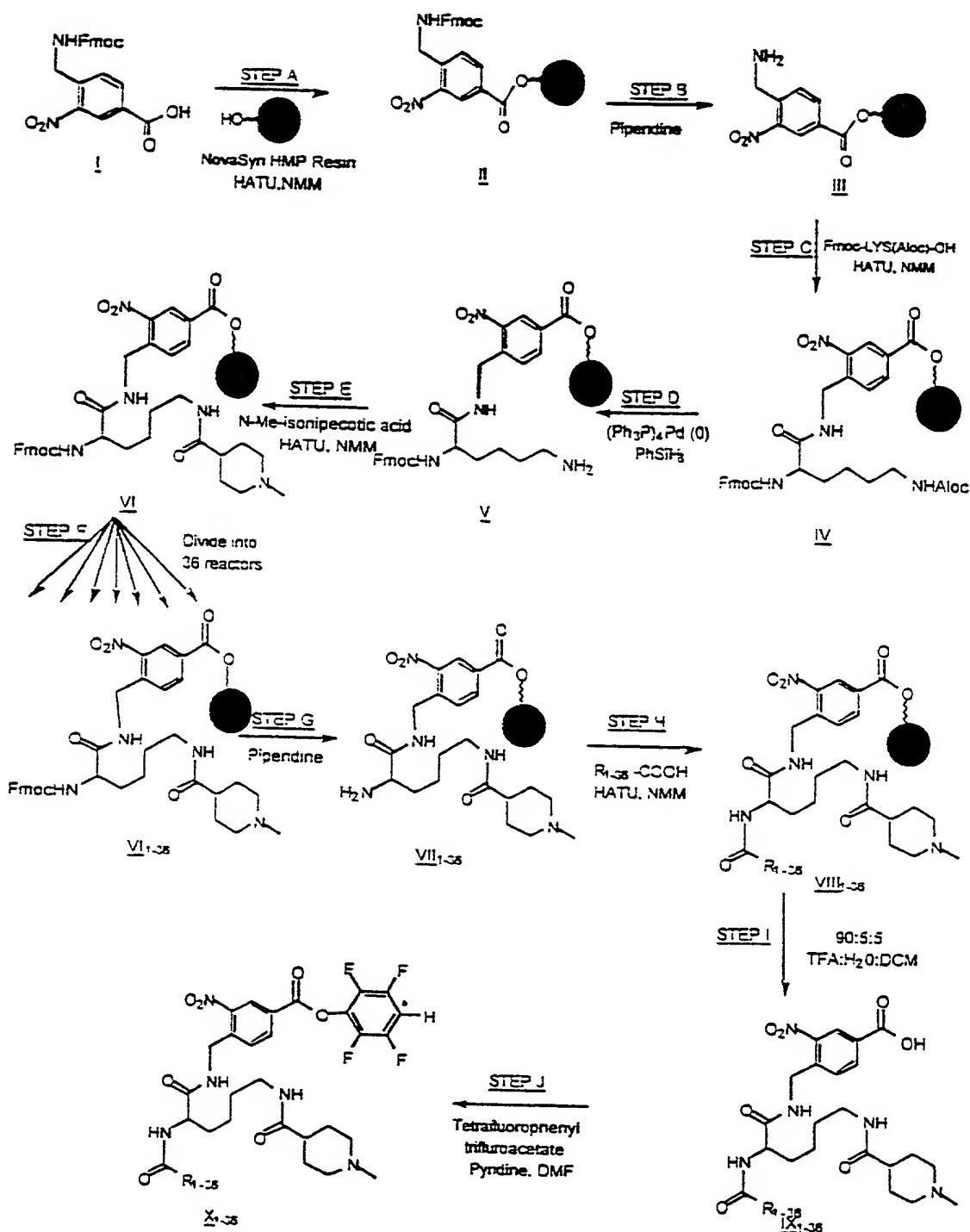


FIGURE 3

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3



**FIGURE 4**

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

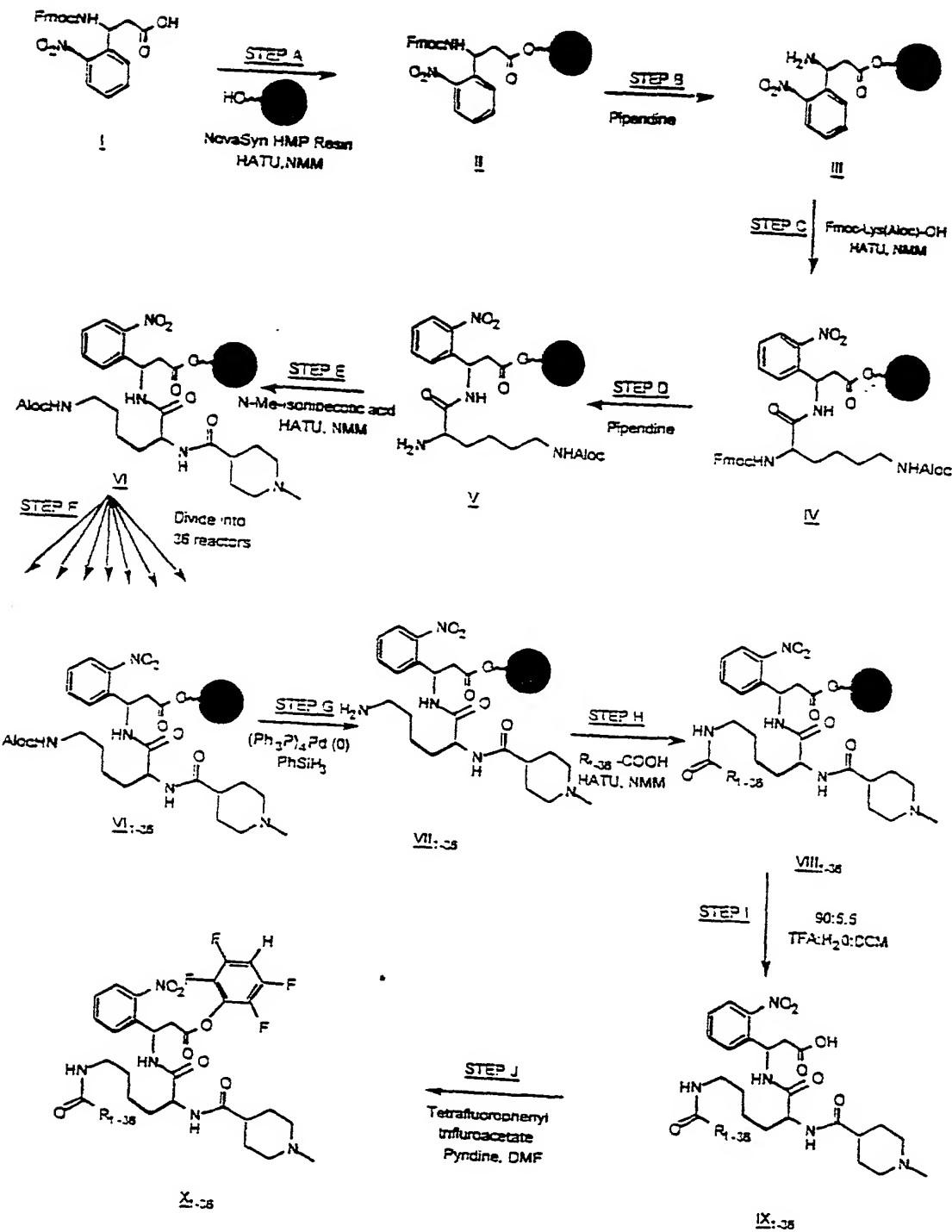


FIGURE 5

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

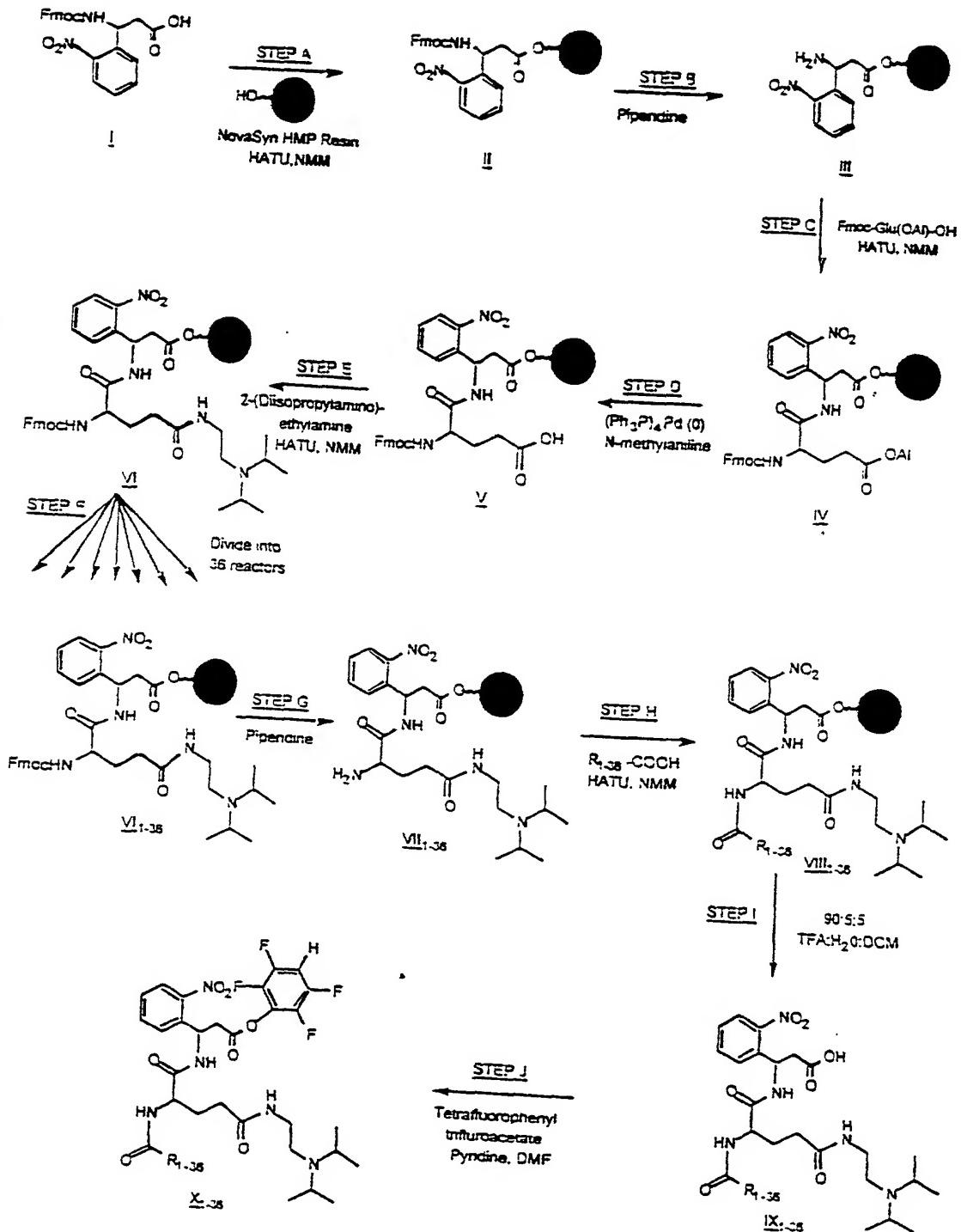


FIGURE 6

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

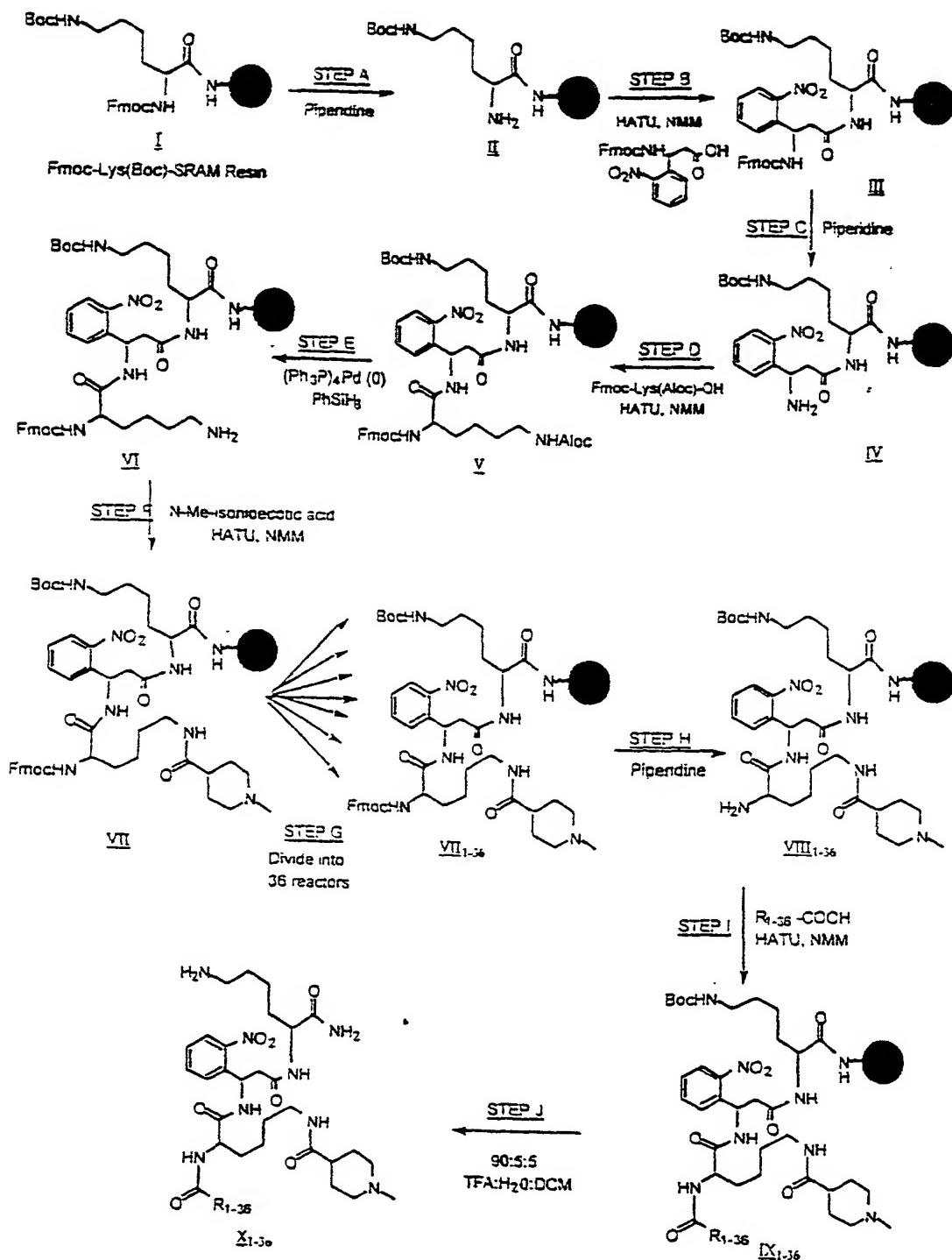
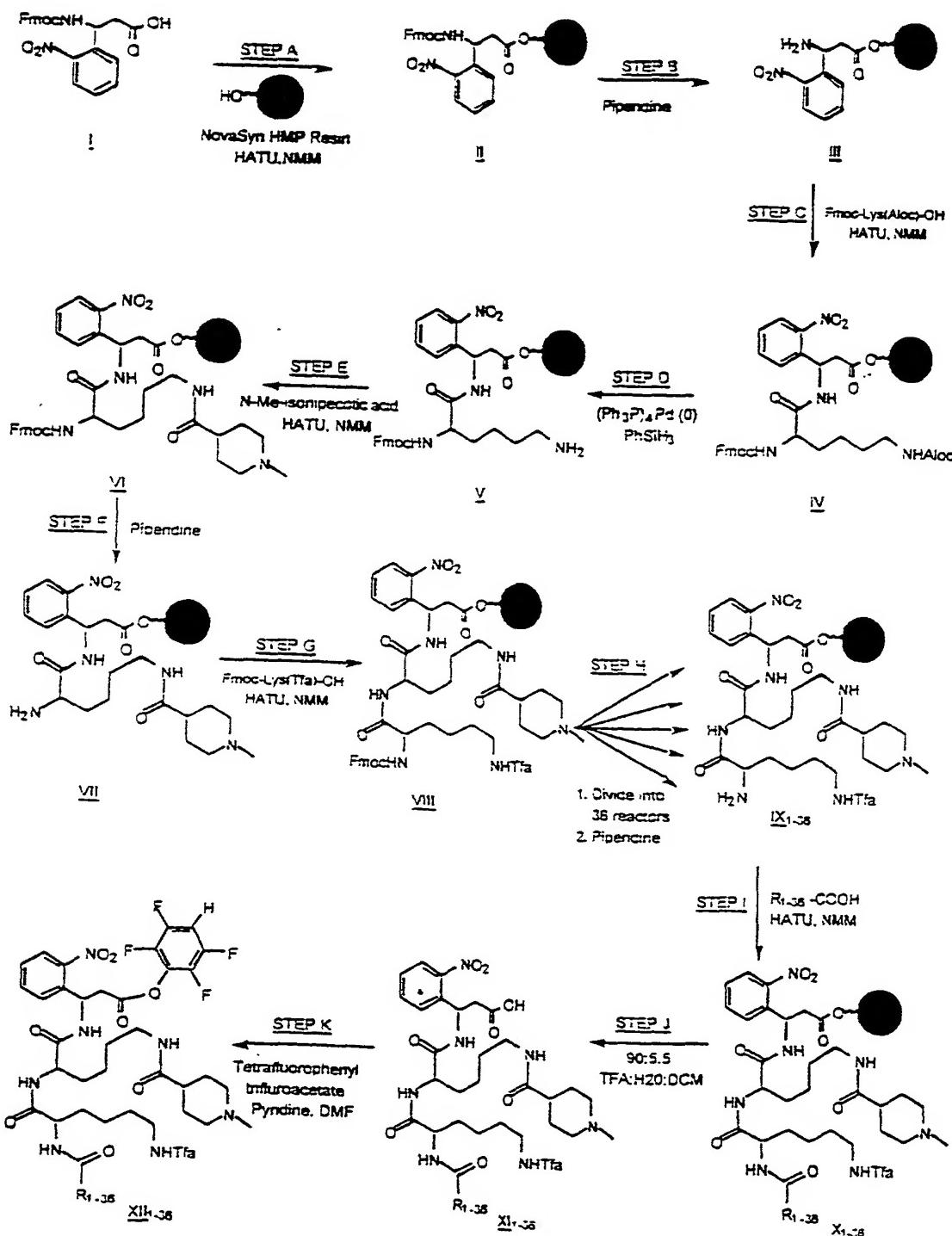


FIGURE 7

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

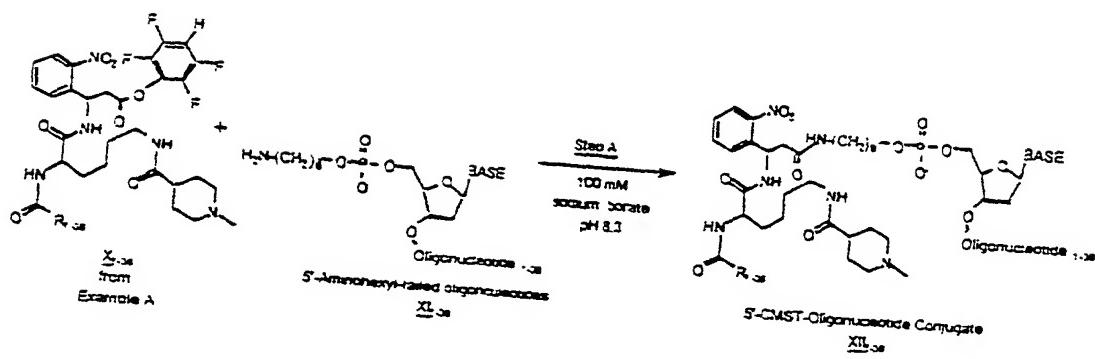


## FIGURE 8

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY

IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

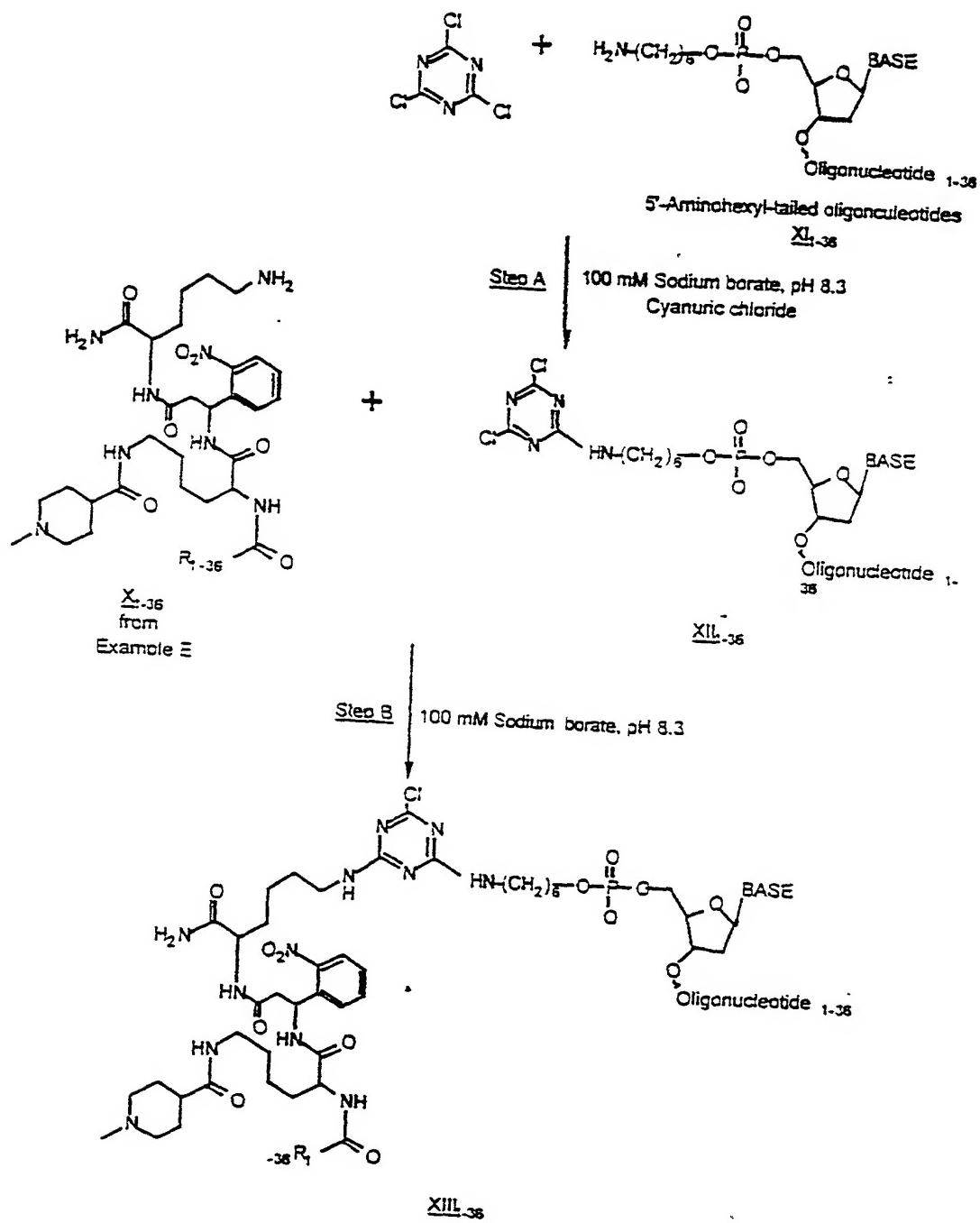


**FIGURE 9**

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY

IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

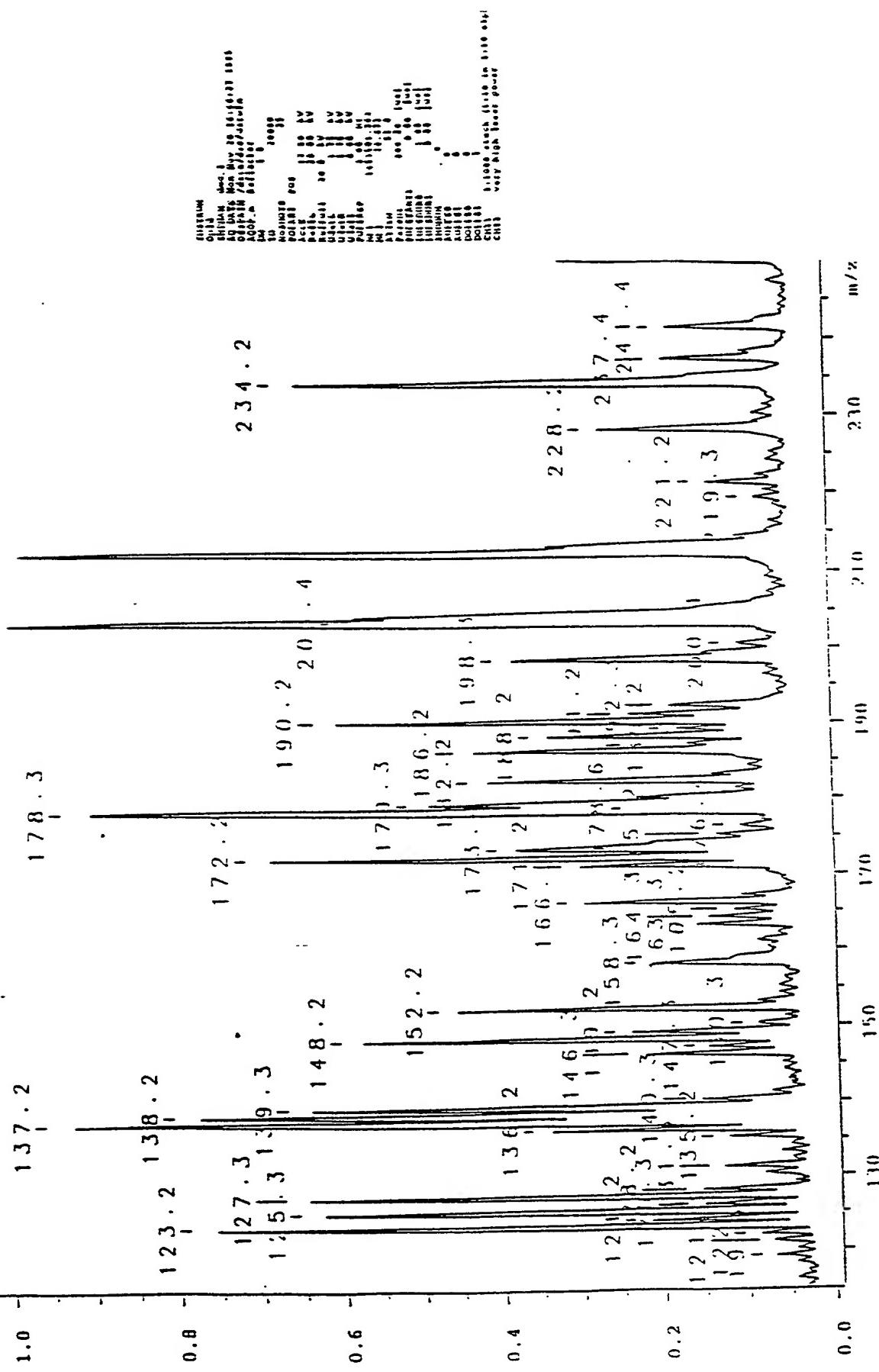


**FIGURE 10**

# FIGURE 11

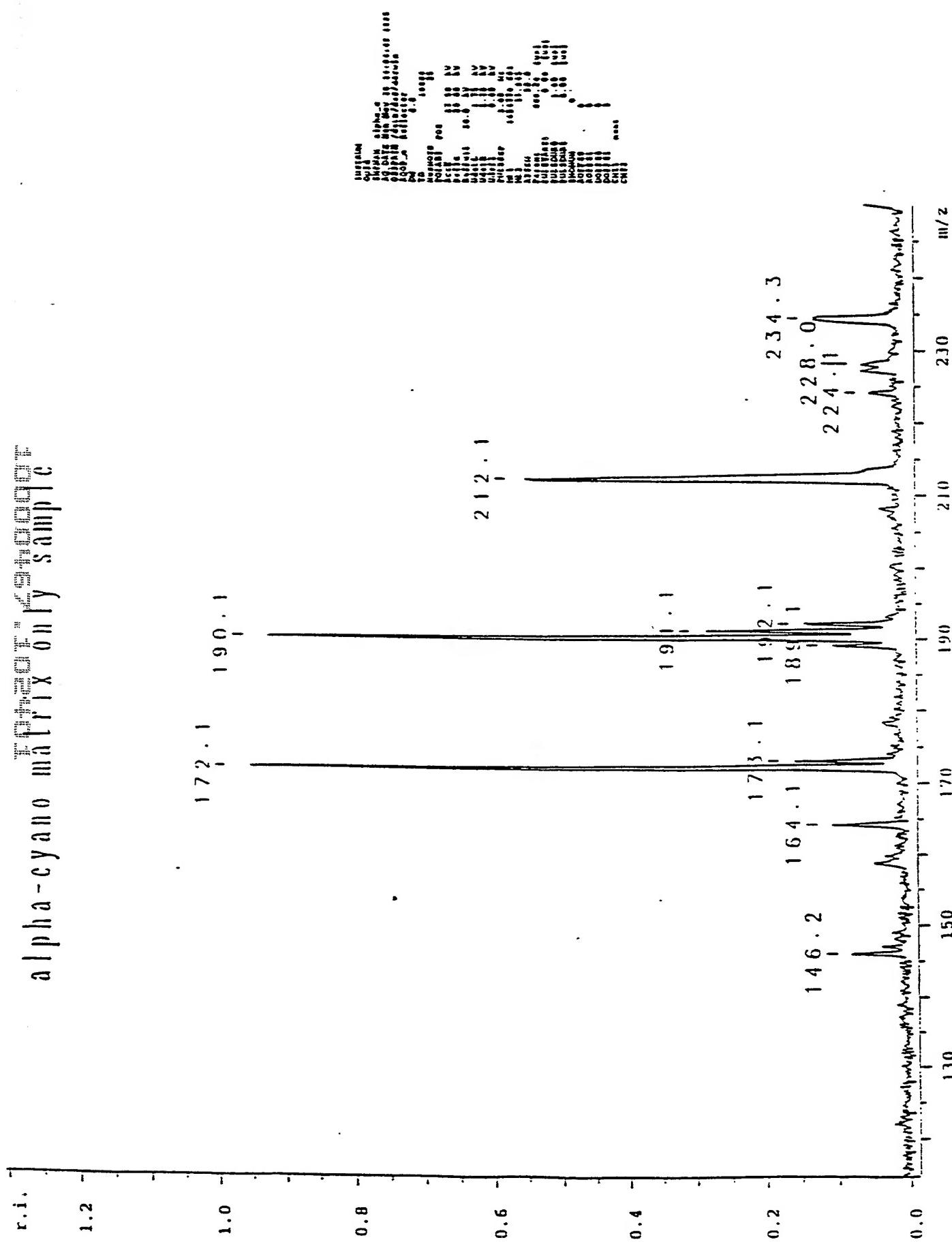
Sample: DMC-1  
1:10,000 dilution; reflector mode  
very high laser power

203.2  
212.2



Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS  
Inventors: Jeffrey Van Ness et al., Express Mail No.: EL897872950US Doc#: 780068.418C3

**FIGURE 12**



Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Document No.: 780068.418C3

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

Variable Weight Component	Weight Range Adjuster	Mass Spec Sensitivity Enhancer	Photocleavable Linker	S'-Aminohexyl Tailed Oligonucleotide
---------------------------	-----------------------	--------------------------------	-----------------------	--------------------------------------

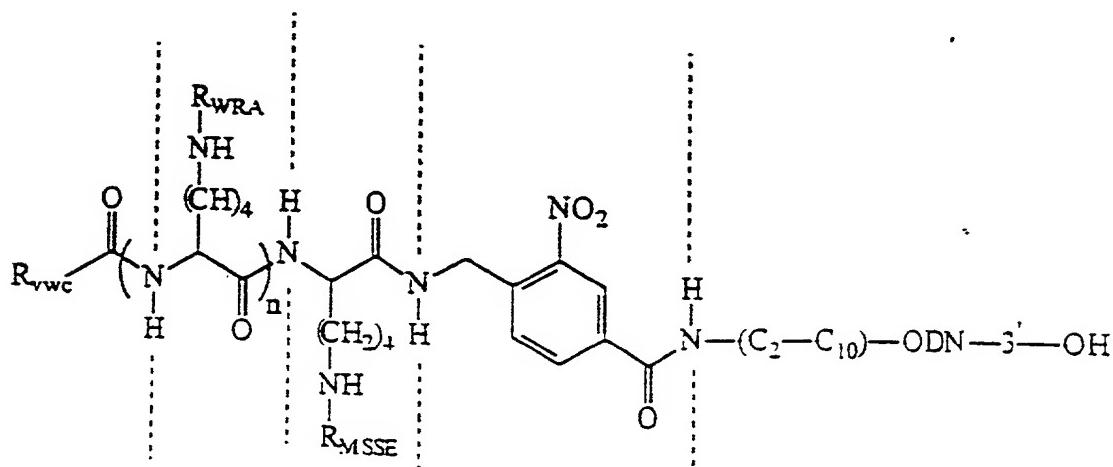
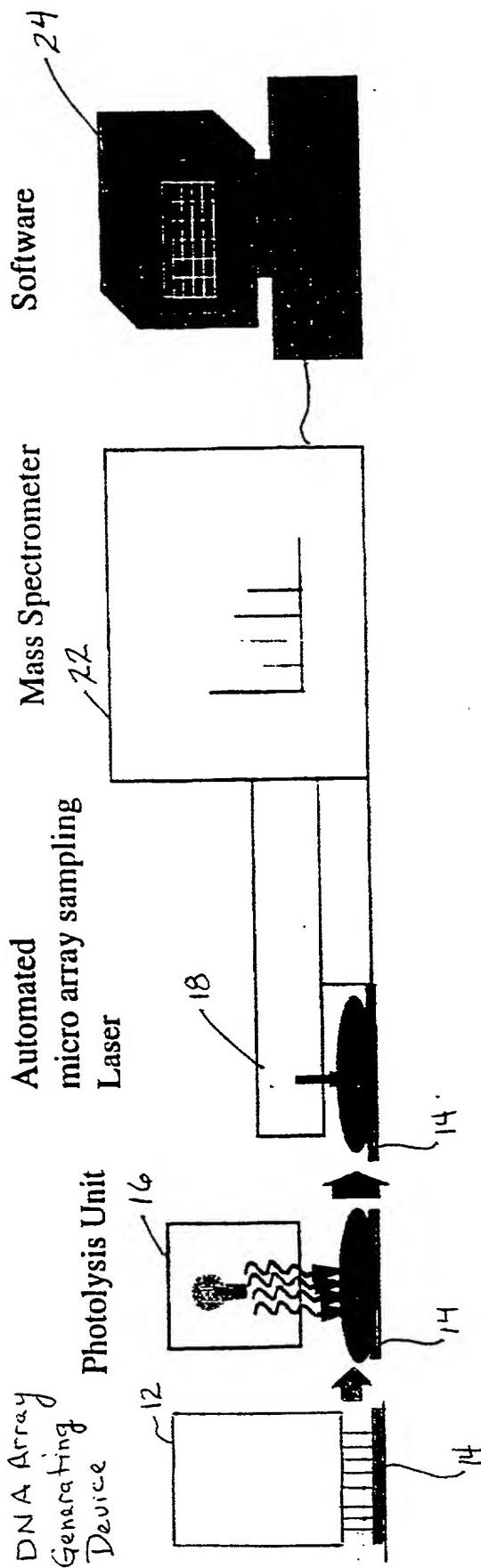


FIGURE 13

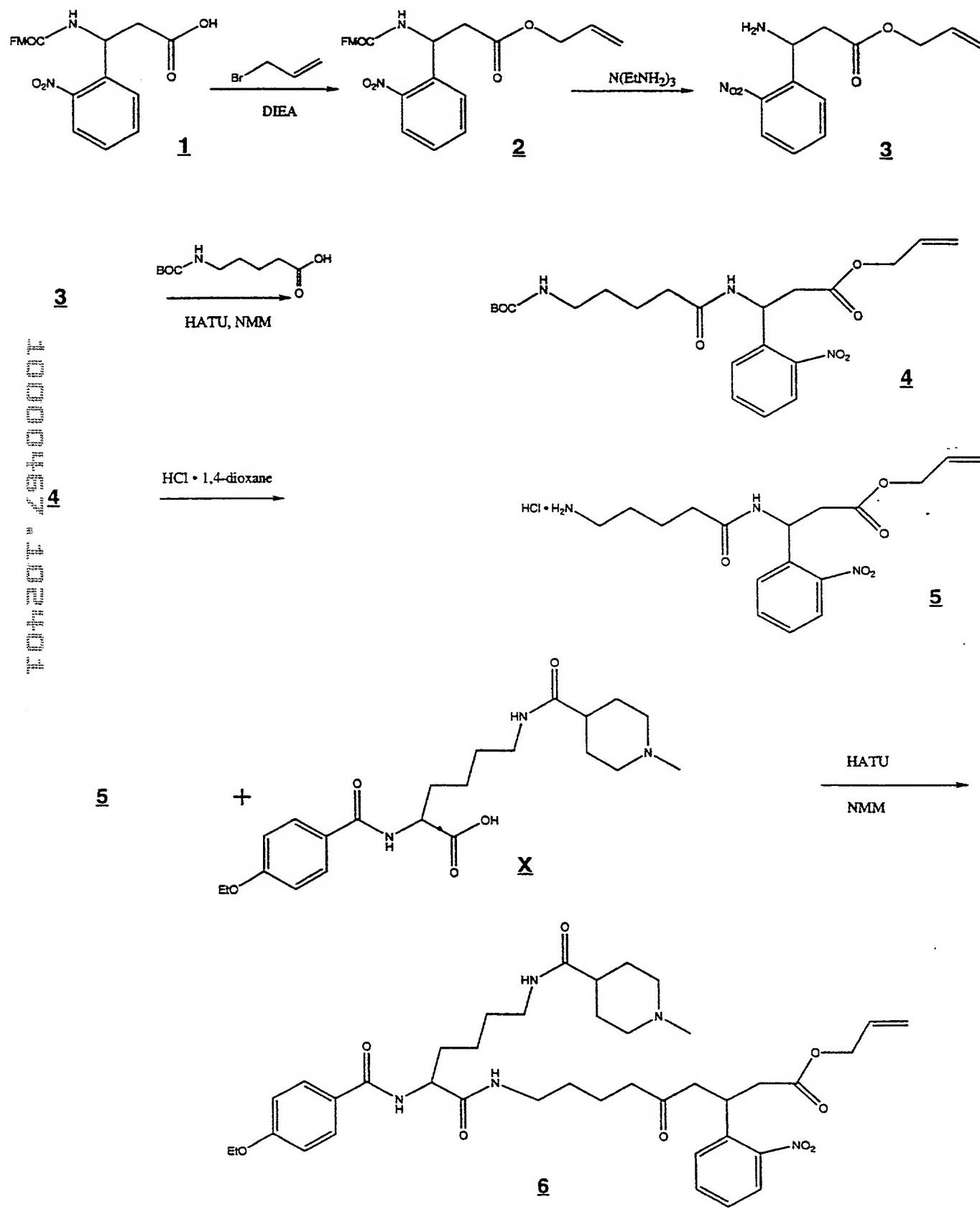
**Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS**

# Array Interrogation Using MALDI Mass Spectrometry



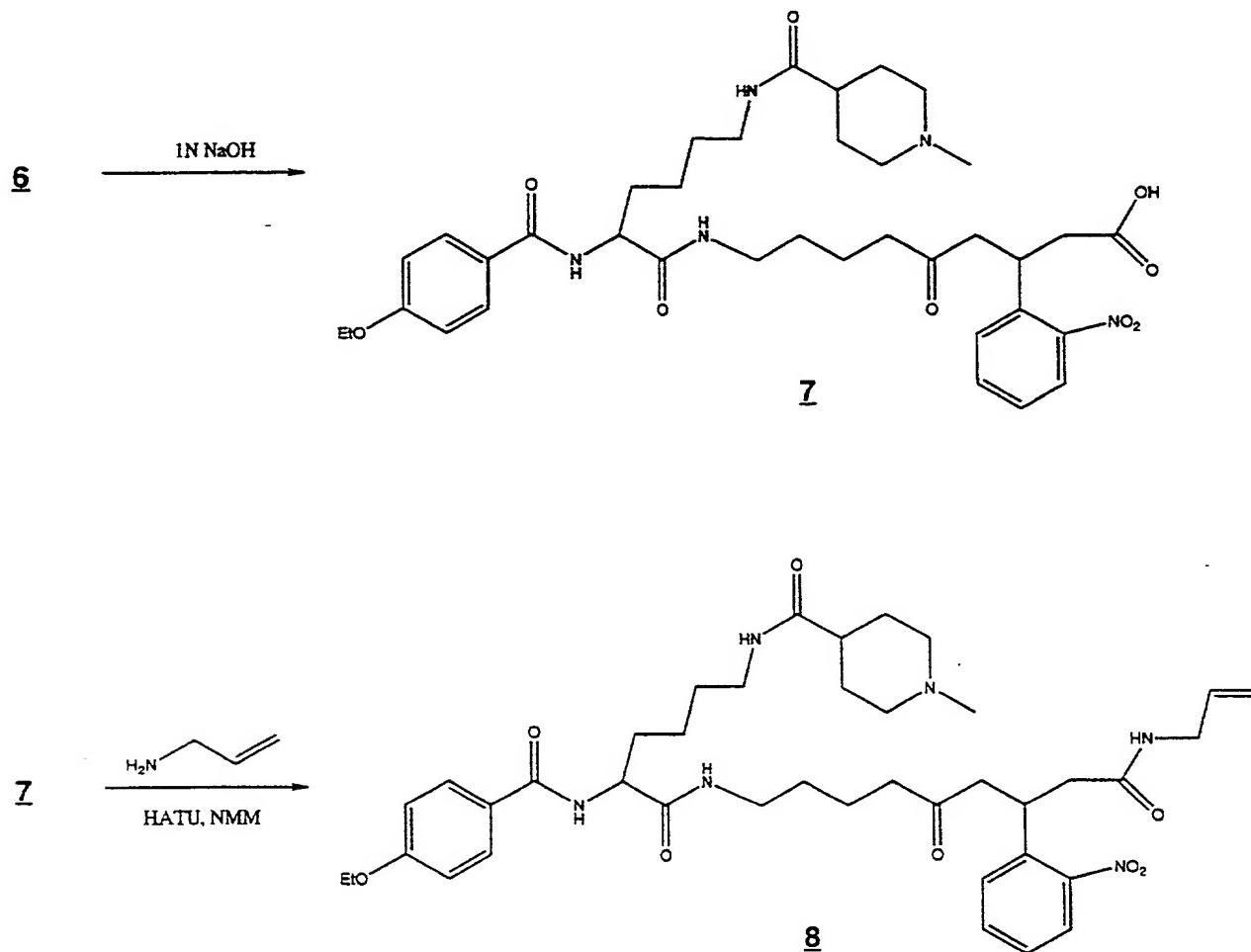
**FIGURE 14**

## FIGURE 15A



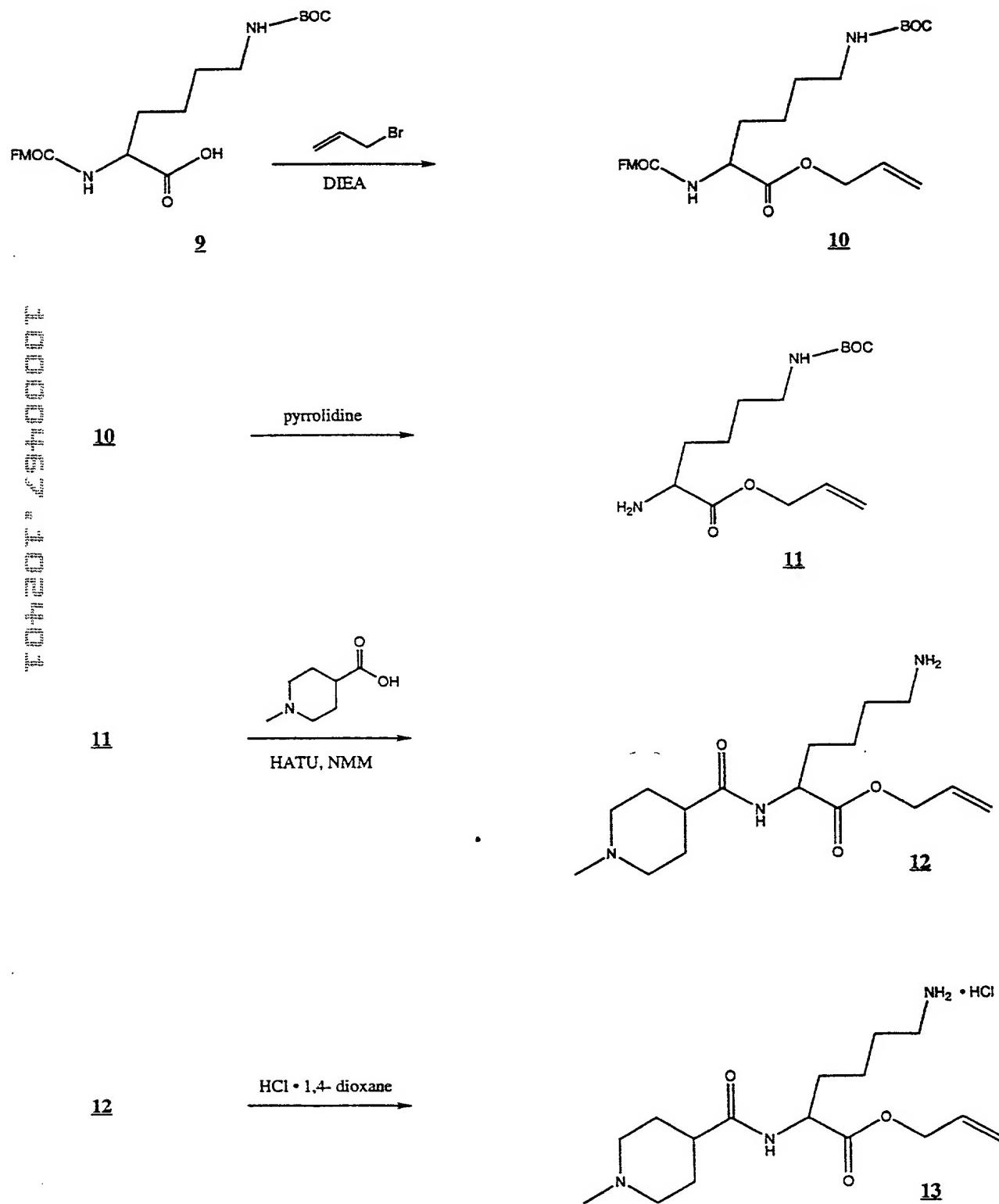
Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY  
IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventors: Jeffrey Van Ness et al. Express Mail No.: EL897872950US Docket No.: 780068.418C3

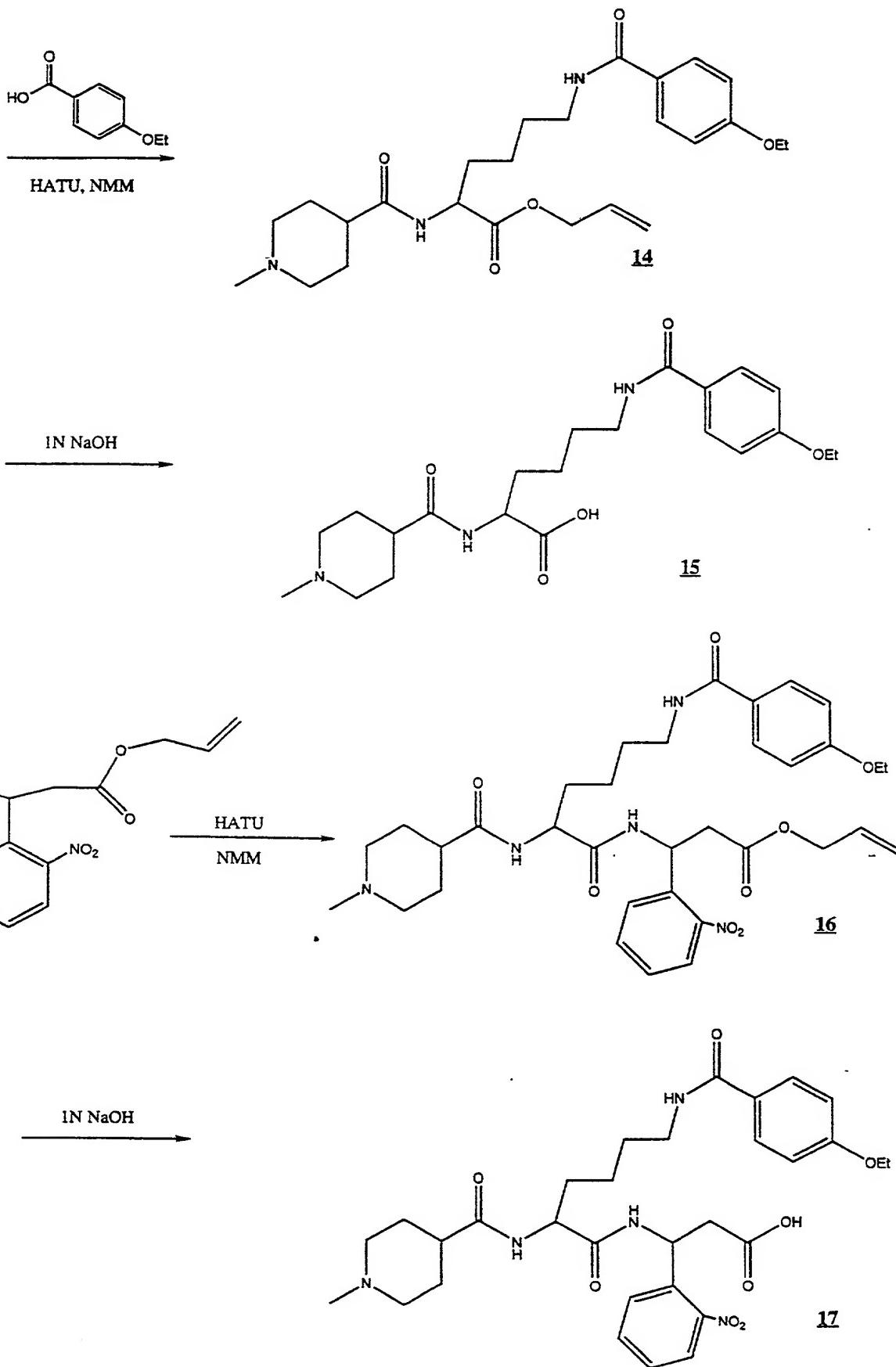


**FIGURE 15B**

## FIGURE 16A



## FIGURE 16B



**FIGURE 17**

